What Is Claimed Is:

A method for integrating at least one 1 remote of a microcellular communication system with 2 at least one face of a code division multiple access 3 (CDMA) communication system, said CDMA system being 4 capable of signal advancing, said method comprising 5 the steps of:

measuring fiber length and remote power 7

8 output;

interconnecting hardware between said at 9

least one remote and said at least one face; 10

performing calculations using data obtained 11 from said step of measuring to determine how much to 12 13

advance said CDMA signal;

translating said calculations to a database 14 for advancing a signal allowing said at least one 15 remote to communicate with said at least one face; 16 17

and

setting output levels of said CDMA system , 18

output levels determined based upon said 19

measurement data and said calculations. 20

of claim 1 2. The method 1 comprising the step of testing said method for proper operation. 3

- 1 3. The method of claim 2 wherein said 2 step of testing further comprises testing said system 3 at said at least one face and at said at least one 4 remote.
- 1 4. The method of claim 1 wherein said 2 microcellular communication system further comprises 3 a stand alone microcellular communication system.
- 1 5. The method of claim 4 wherein said 2 step of interconnecting hardware further comprises 3 the steps of:
- 4 installing a combiner for each face to be 5 integrated;
- 6 connecting a meter to said CDMA system for 7 taking output power readings;
- 8 connecting a transmit cable to each of said
 9 combiners:
- 10 compecting a receive cable to each of said 11 combiners; and
- 12 terminating said receive cable.
 - 1 6. The method of claim 1 wherein said
 - 2 microcellular communication system further comprises
 - 3 a simulcast microcellular communication system.

1	7	. The me	ethod	of cla	im 6	where	ein sa	aid
2	step of in	terconnect	ing	hardware	furt	her c	compris	ses
3	the steps of	f:						
4	c	onnecting	a t	ransmit	cable	to	said	at
5	least one fa	ace;						
6	C	onnecting	a c	combiner	to	said	trans	nit
7	cable;							
8	C	onnecting	sai	d trans	mit	cable	to	an
9	interface m	odule for	said	remote;				
10	C	onnecting	a	receive	cab	le 1	to s	aid
11	interface m	odule for	said	remote;				
12	C	onnecting	a	combiner	to	said	rece	ive
13	cable;							
14	С	onnecting	an at	tenuator	to sa	id co	mbiner	;
15	С	onnecting	said	attenua	tor to) said	d rece	ive
16	cable; and							
17	С	onnecting	said	receiv	e cabl	e to	said	at
18	least one f	ace.						

1	8. The method of claim 1 wherein said					
2	step of measuring further comprises the steps of:					
3	verifying said at least one remote is in					
4	normal condition;					
5	isolating said at least one face;					
6	measuring said fiber length of said at					
7	least one remote;					
8	measuring said power output of said at					
9	least one remote; and					
10	recording additional data necessary for					
11	said steps of performing calculations and					
12	translating.					
1	9. The method of claim 8 wherein said					
2	step of measuring further comprises the steps of					

3 recording said CDMA output power level.

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1	10. The method of claim 1 wherein said
2	step of performing calculations further comprises the
3	steps of:
4	calculating propagation delay for a
5	transmit antenna for said at least one remote;
6	calculating propagation delay of a receive
7	antenna for said at least one remote;
8	selecting and recording a lowest value of
9	said propagation delay calculations for both said
.0	transmit and said receive antennas;
.1	calculating a maximum differential
.2	delay of all delay calculations completed for said at
.3	least one remote;
.4	calculating a sector size;
.5	determining a cell search window size;
16	calculating actual input analog composite
L 7	power;
L8	determining total gain for said at least
L9	one remote;
0 2	determining actual gain for said at least
21	one remote;
22	calculating CDMA input power for said at
23	least one remote; and
	-hline movem calculations

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service.

- The method of claim 10 wherein for a 1 simulcast CDMA said step of selecting and recording a 2 lowest value of said propagation delay calculations 3 for both said transmit and said receive antennas 4 further comprises selecting a fixed value for said 5 propagation delay for each of said transmit and said б receive antennas, said fixed value based on an 7 equipment specification. 8
- 1 12. The method of claim 1 wherein said 2 step of translating further comprises the step of 3 updating a database for said at least one remote and 4 said at least one face to be integrated by loading 5 said database with values derived in said steps of 6 calculating and translating to compensate for time 7 delay by advancing said CDMA signal.
- 1 13. The method of claim 1 wherein said
 2 step of setting output levels further comprises the
 3 steps of:
 4 ensuring output levels are properly set by
 5 using values derived in said steps of measuring and
 6 performing calculations; and
 7 restoring said at least one face to normal